

DOBROVOL'SKIY, V.V.

Some minerogeochemical characteristics of Quaternary sediments in
the Chu-Ili Mountains. Trudy Kom.chetv.per. no.26:89-102 '61.
(MIRA 15:3)

(Chu-Ili Mountains--Mineralogical chemistry)

DOBROVOL'SKIY, V.V.

Distribution of minor elements in soils and plants of Ust-Urt
[with summary in English]. Pochvovedenie no.3:65-70 Mr '61.
(MIRA 14:3)

1. Pedagogicheskiy institut imeni V.P. Potemkina.
(Ust-Urt--Minerals in soil)

DOBROVOL'SKIY, V.V., kand.geol.-mineral.nauk

Fossil remains of ancient landforms. Priroda 50 no.4:97-99 Ap
'61. (MIRA 14:4)

1. Moskovskiy gosudarstvennyy pedagogicheskiy institut im. V.I.
Lenina.

(Minerals in soil)

DOBROVOL'SKIY, V.V.

Typomorphic occurrences of strontium in Quaternary deposits of the arid zone. Dokl.AN SSSR 136 no.1:199-201 Ja '61. (MIRA 14:5)

1. Predstavleno akademikom N.M.Strakhovym.
(Strontium)

DOBROVOL'SKIY, V.V.

Geochemical characteristics and genesis of the fine-dispersed
mass of Quaternary deposits... Dokl. AN SSSR 147 no.2:466-468
N '62. (MIRA 15:11)

1. Moskovskiy gosudarstvennyy pedagogicheskiy institut
im. V.I. Lenina. Predstavleno akademikom N.M. Strakhovym.
(Petrology)

DOBROVOL'SKIY, V. V.

W. Kubiena's works on paleopedology. Vop. geog. no. 59:188-195
'62. (MIRA 16:1)

(Soils)

DOBROVOL'SKIY, V.V.

Division of the southwestern part of the Lake Balkhash region by
land forms for purposes of geochemical studies. Biul. MOIP. Otd.
geol. 37.no.4:98-112 JI-Ag '62. (MIRA 16:5)
(Balkhash Lake region—Landforms)(Balkhash Lake region—Geochemistry)

DOBROVOL'SKIY, V.V., kand.tekhn.nauk; BASISHVILI, T.D., inzh; KODENTSOV,
A.Ya., inzh.

Use of hydraulic fill methods for the distribution in the mine
of rocks obtained in the mining of development workings in
Lonets Basin flat coal seams. Ugol' 37 no.11:29-34 N '62.
(MIRA 15:10)

1. Institut gornogo dela im. A.A.Skochinskogo (for Dobrovol'skiy,
Basishvili). 2. Ukrainskiy nauchno-issledovatel'skiy institut
gidrodobychi uglia (for Kodentsov).
(Mine filling—Hydraulic equipment)

DOBROVOL'SKIY, V.V.

Achievements of the research in the geochemistry of landforms. Izv.
AN SSSR. Ser. geog. no.4:126-128 J1-Ag '62. (MIRA 16:5)
(Landforms--Congresses) (Geochemistry--Research)

DOBROVOL'SKIY, V.V.

Landform characteristics and geochemical features of highland tundras
in the Kola Peninsula. Pochvovedenie no.2:25-32 F '63. (MIRA 16:3)

1. Moskovskiy gosudarstvennyy pedagogicheskiy institut imeni Lenina.
(Kola Peninsula--Tundra) (Kola Peninsula--Geochemistry)

DOBROVOL'SKIY, V.V.

Landform and geochemical characteristics of the Kola Peninsula
and their significance for prospecting. Sov. geol. 7 no.3:
81-93 Mr '64. (MIRA 17:10)

1. Moskovskiy gosudarstvennyy pedagogicheskiy institut im.
V.I. Lenina.

DOBROVOL'SKIY, V.V., kand. tekhn. nauk; YEROFEYEV, V.F., kand. tekhn. nauk

Reliable means of preventing underground fires. Bezop. truda v
prom. 8 no.10:4-7 0 '64. (MIRA 17:11)

1. Institut gornogo dela im. A.A. Skochinskogo.

DOBROVOL'SKIY, V.V.; ALESHCHUKIN, L.V.

Some landform and geochemical characteristics of the northern taiga
in the Kola Peninsula. Pochvovedenie no.10:37-44 0 '64.

(MIRA 17:11)

1. Moskovskiy pedagogicheskiy institut imeni Lenina.

ARGASOVA, K.N.; DOBROVOL'SKIY, V.V.

Conference on landform geochemistry. Izv. AN SSSR. Ser. geog.
no.4:143-145 JI-Ag '65. (MIRA 18:8)

DOBROVOL'SKIY, V.V.

Reduce rock delivery to the surface from Donets basin mines. Ugol'
40 no.6:76 Je '65. (MIRA 18:7)

1. Institut gornogo dela imeni A.A.Bkochinskogo.

DOBROVOL'SKIY, V.V.
DOBROVOL'SKIY, V.V., inzh.

Train and station radio communication. Avtom., telem. i sviza' no.11:
20-22 N '57. (MLRA 10:11)

(Railroads--Communication systems)

DOBROVOL'SKIY, V.V., inzhener.

Two-way loud-speaker communication. Avtom. telem. i svyaz' no. 8:25-27
Ag '57. (MLRA 10:8)

(Railroads--Communication systems)

DOBROVOL'SKIY, V.V., inzh.

Improving the adjusting characteristics of the ZhR-3 receiver.

Avtom. telem. i svyaz' 2 no.8:25-26 Ag '58. (MIRA 11:8)

(Railroads--Electronic equipment)

DOBROVOL'SKIY, V.V., insh.

Telephone sets equipped with tape recorders. Avton., telen. i sviaz'
2 no.11:16-17 N '58. (MIRA 11:12)

(Telephone—Equipment and supplies)

(Magnetic recorders and recording)

6.2000

38784
S/194/62/000/005/145/157
D271/D308

AUTHOR: Dobrovol'skiy, V.V.

TITLE: Prospects of development of radio relay lines

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika,
no. 5, 1962, abstract 5-7-209 zh (Zh.-d. transport,
1961, no. 8, 43-45)

TEXT: Trial operation of the first radio relay link for railway use over a distance of 200 km (Moscow - Ryazan') is reported. Soviet equipment, type "Strela M" is used. Hoar-frost, ice, wet snow, etc., have virtually no influence on the operation of the link. Links on 12 routes, with a total length of 2000 km, have been built in the last four years. By 1965 it is planned to bring the overall length to 10,000 km. The development of links with a small number of channels is approaching the end; this equipment is intended for railway section communications. Organisational problems of the operation of railway relay links are discussed. [Abstractor's note: Complete translation].

Card 1/1

VASIL'YEV, V.S.; DOBROVOL'SKIY, V.V., konsul'tant

Slide pictures on signal and communication systems. Avtom.
telem.i aviaz' 3 no.7:40 J1 '59. (MIRA 12:12)
(Railroads--Safety appliances) (Railroads--Signaling)

EPEL'MAN, T.Ye., kand. tekhn. nauk; DOBROVOL'SKIY, V.V., kand. tekhn.
nauk

Means of improving diesel-generator installations on ships.
Sudostroenie 30 no.11:37-38 N '64. (MIRA 18:3)

DOBROVOL'SKIY, V. V.

"Problems of Filling Material for the Mines of the Kuznetsk Coal Basin," Ugol'
27, No 5, 1952

MLRA August 1952

VOL'KENAU, A. V., DOBROVOL'SKIY, V. V., MALYSHEV, A. G., MIN. ENG.

Kuznetsk Basin - Coal Mines and Mining

Mining thick, steeply inclined seams in the Kuznetsk Basin by the method of sloping layers with hydraulic filling up. Ugol' 27 No. 7, 1952

9. Monthly List of Russian Accessions, Library of Congress, October 1952 ~~1953~~, Unclassified.

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GIDRAVLICHESKOY ZAKLADKI NO SHAKHTAKH KUZBASSA., M., 1954 87S
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622.333:622.273.2 plus 622.273.2.047

SO: KNIZHANYA LETOPIS' NO. 4, 1955

DOBROVOL'SKIY, V., kandidat tekhnicheskikh nauk.

Use of hydraulic fill in the Kuznetsk Basin. Mast. ugl. 3 no.9:
19-21 S'54. (MLRA 8:2)

(Kuznetsk Basin--Coal mines and mining)

DOBROVOL'SKIY, V.V., kandidat tekhnicheskikh nauk; MALYSHEV, A.G., gerany
inzhener.

"Working thick pitching seams by using hydraulic filling of mined areas"
B.M.Vereb'ev. Reviewed by V.V.Dobrovol'skii, A.G.Malyshev. Ugel' 31
no.7:44-45 J1 '56. (MLRA 9:9)

(Coal mines and mining)

AVERSHIN, S.G., prof., dokt.tekhn.nauk; ANAN'IN, G.P., dotsent, kand.tekhn.
 nauk; BARANOV, A.I., dotsent, inzh.; BERLIN, A.Ye., inzh.;
 BOCHKAREV, V.G., kand.tekhn.nauk; BUTKEVICH, R.V., kand.tekhn.nauk;
 VESELOVSKIY, V.S., prof., doktor tekhn.nauk; VESKOV, M.I., kand.
 tekhn.nauk; VOL'KENAU, A.V., kand.tekhn.nauk; ZARKAVI, S.M.,
 kand.tekhn.nauk; GORBACHEV, T.F.; DAVIDYANTS, V.T., kand.tekhn.nauk;
 DMITRIYEV, M.F., kand.tekhn.nauk; DOBROVOL'SKIY, V.V., kand.tekhn.nauk;
 DUKALOV, M.F., kand.tekhn.nauk; ZAYTSEV, N.A.; ZARANKIN, P.S., inzh.;
 ZVIAGIN, P.Z., dotsent, kand.tekhn.nauk; IL'SHTEYN, A.M., kand.tekhn.
 nauk; KILYACHKOV, A.P., dotsent, kand.tekhn.nauk; KIRICHENKO, I.P.,
 inzh.; KRUPENNIKOV, G.A., kand.tekhn.nauk; KUZNETSOV, S.T., kand.
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 LIPKOVICH, dotsent, kand.tekhn.nauk; LOKSEIN, B.S., kand.tekhn.nauk;
 MURATOV, M.L., dotsent, kand.tekhn.nauk; MUCHNIK, V.S., prof.,
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 SOVSKIY, Ya.E., prof., doktor tekhn.nauk; NEKHAYEV, G.A., inzh.;
 NUROK, G.A., prof., doktor tekhn.nauk; OVINOV, M.I., inzh.;
 PORTNOV, A.A., inzh.; PROSKURIN, V.V., dotsent, kand.tekhn.nauk;
 RUDNEV, B.A., inzh.; SAPITSKIY, K.F., kand.tekhn.nauk; SELETSKIY, R.A.,
 dotsent, kand.tekhn.nauk; SEMENOV, A.P., kand.tekhn.nauk; SKAFA,
 P.V., inzh.; SONIN, S.D., prof.; SUDOPLATOV, A.P., prof., doktor
 tekhn.nauk; TIMOSHEVICH, V.A., inzh.; FURMAN, A.A., inzh.; CHINAKAL,
 N.A.; SHAKHMEYSTER, D.G., dotsent, kand.tekhn.nauk; TERFIGOREV, A.M.,
 glavnyy red.; LOZNEVA, A.A., red.; NAUMKIN, I.F., red.; OSTROVSKIY,
 S.B., red.; PANOV, A.D., red.; STUGAREV, A.S., red.; SHELKOV, A.A.,
 (Continued on next card)

. AVERSHIN, S.G.---(continued) Card 2.

red.; ARKHANGEL'SKIY, A.S., kand.tekhn.nauk, red.; REZNIKOV, G.A.,
inzh., red.; ALESHIN, M.I., red.isd-va; KACHALKINA, Z.I., red.
isd-va; PROZOROVSKAYA, V.L., tekhn.red.; NADEINSKAYA, A.A., tekhn.red.

[Mining; an encyclopedic handbook] Gornoe delo; entsiklopedicheski
spravochnik. Glav. red. A.M. Terpigorev. Chleny glav.red.: F.A.
Barabanov i dr. Vol.5 [Underground coal mining] Razrabotka
ugol'nykh mestorozhdenii podzemnym sposobom. Moskva, Gos. nauchno-
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1. Chlen-korrespondent Akademii nauk SSSR (for Gorbachev, Chinakal).
2. Chlen-korrespondent Akademii nauk USSR (for Zaytsev).
(Coal mines and mining)

DOBROVOL'SKIY, V., kand.tekhn.nauk

Wood gaskets. Mast.ugl. 9 no.7:14 J1 '60.
(China--Mine filling)

(MIRA 13:7)

VORONENKOV, Yu.P., gornyy inzh.; DOBROVOL'SKIY, V.V., kand.tekhn.nauk
ANIKEYEV, I.Ya., inzh.

"Hydraulic mining operations" by G.A. Nurok. Reviewed by
Yu.P. Voronkov, V.V. Dobrovol'skiy, I.IA. Anikeev. Gor.
zhur. no. 11:78-79 N '60. (MIRA 13:10)

1. Zamestitel' predsedatelya Vostochno-Kazakhstanskogo
sovnarkhoza (for Voronkov). 2. Institut gornogo dela AN SSSR
(for Dobrovol'skiy). 3. Institut Proyektgidromekhanizatsiya
Minstroya RSFSR (for Anikeev).
(Hydraulic mining) (Nurok, G.A.)

DOBROVOL'SKIY, V.V., kand. tekhn. nauk

Mechanization of mining operations in steeply dipping seams with
complete filling of worked-out areas. Ugol' Ukr. 5 no 9:46 S
'61. (ML A 14:9)

(Donets Basin---Coal mines and mining)

DOBROVOL'SKIY, V.V., kand.tekhn.nauk

Mechanization of stoping operations with complete filling in
steeply dipping seams of the Donets Basin. Ugol' 36 no.10:50-51
0 '61. (MIRA 14:12)

1. Institut gornogo dela imeni A.A. Skolinskogo.
(Donets Basin--Coal mines and mining)

DOBROVOL'SKIY, V.V., kand.tekhn.nauk; MALYSHEV, A.G., inzh.;
YAKOVLEVA, L.A., red.

[Practice of filling a mined area in steep coal seams and the
outlook for using it in the Donets Basin] Opyt zakladki vyrabotan-
nogo prostranstva na krutykh plastakh uglia i perspektivy ee pri-
meneniia v Donbasse, doklad na nauchno-tekhnicheckoi konferentsii
v gorode Gorlovka. Moskva, In-t gornogo dela, 1962. 27 p.

(MIRA 15:12)

(Mine filling)

DOBROVOL'SKIY, V.V., kand.tekhn.nauk; BASISHVILI, T.D., gornyy inzh.

Efficiency of using hydraulic mechanization for rock filling of mines.
Ugol' 37 no.7:38-41 J1 '62. (MIRA 15:7)

1. Institut gornogo dela imeni I.A. Skochinskogo.
(Mine filling) (Hydraulic machinery)

DOBROVOL'SKIY, V. V., kand. tekhn. nauk

Determination of the volume and the rate of transfer of reservoirs
on hydraulic filling apparatus. Mekh. i avtom. v gornoi prom.
no.2:107-116 '62. (MIRA 16:1)

(Mine filling—Equipment and supplies)
(Hydraulic filling)

DORROVOL'SKIY, V. V.

Geochemical characteristics of landforms in the central part
of the Ust-Urt. Vop. geog. no. 59:145-157 '62.

(MIRA 16:1)

(Ust-Urt—Landforms)

(Ust-Urt—Geochemical prospecting)

DOBROVOL'SKIY, V.V., kand.tekhn.nauk; BASISHVILI, T.D., inzh.

Studying the physico-mechanical characteristics and parameters of hydraulic conveying of crushed Dzhets. Basin rock for the purpose of using it for hydraulic filling. Nauch. soob. IGD 19:130-138 '63. (MIRA 17:2)

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Mechanisms," Iz. Ak. Nauk SSSR, Otdel. Tekh.
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of the moving links of a four-bar

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DOEROVOL'SKIY, VLADIMIR VLADIMIROVICH

Sistema mekhanizmov. Moskva Mashgiz, 1943. 95 p. diags.

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System of mechanisms.

DLC: TJ175.D6

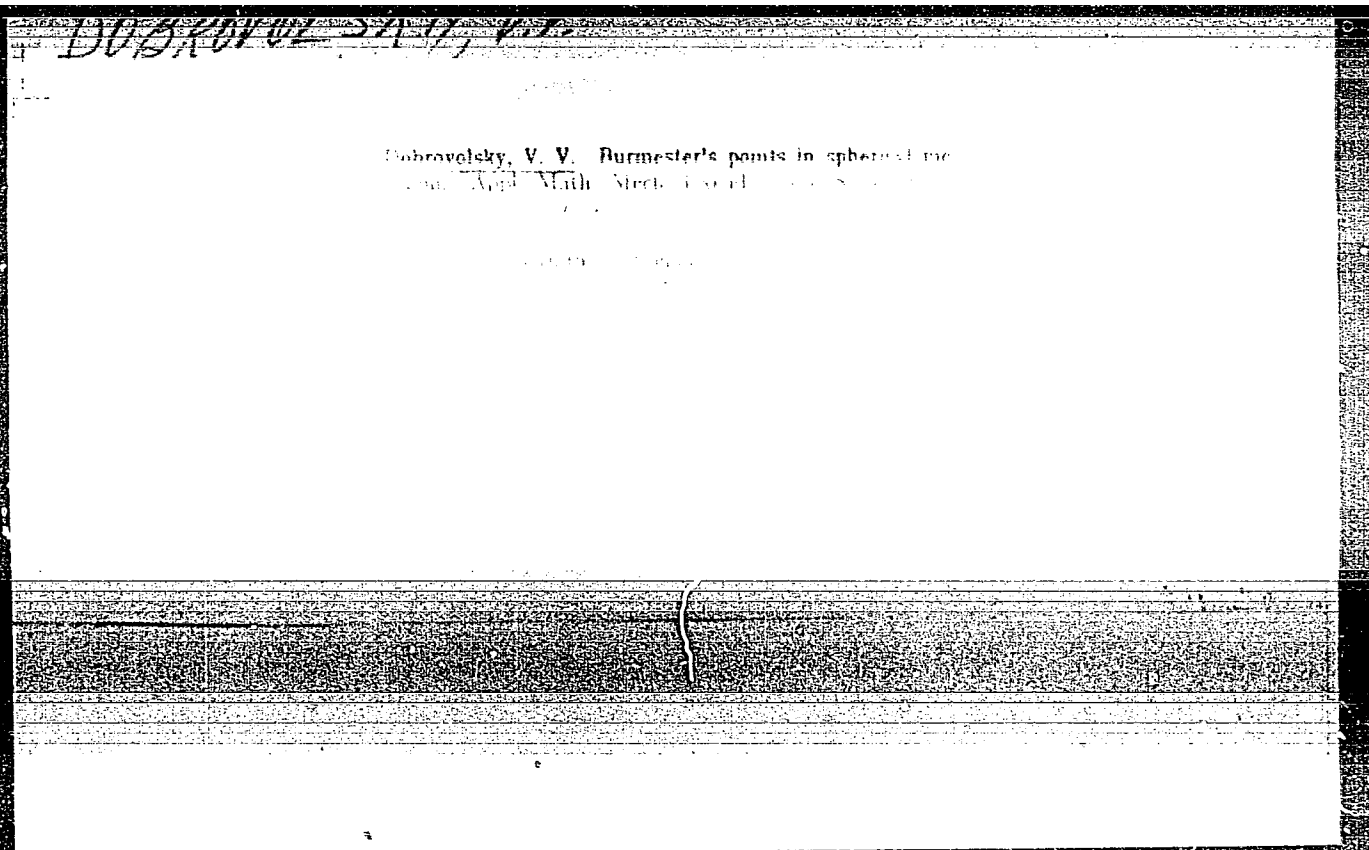
SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

DOBRONOLUBOV, V. V.

Mbr., Power Engineering Inst. i/n G. M. Krzhizhanovskiy
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"Assembly of Coaxial Reducing Gears with Several
Pinions," Iz. Ak Nauk SSSR. Tekh. Nauk, No. 7, 1943

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DOBROVOL'SKIY, VLADIMIR VLADIMIROVICH

Teoriia mekhanizmov. Dop. VKVSh pri SNK SSSR v kachestve uchebn.
posobiia dlia vtuzov. Moskva, Mashgiz, 1946. 447 p.

Theory of mechanisms.

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library
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Dobrovolskiy, V. V. The synthesis of spherical mechanisms. Akad. Nauk SSSR. Trudy Ser. Teori Mashin i Mechanizmov 1, 3-20 (1957). (Russian)

The stereographic representation is applied to the study of the synthesis of spherical mechanisms.

Already known, basic analogues of the Burmester points of planar mechanisms are given.

crank and lever positions are given; the locus of O_4 for variable M ; points whose four positions are collinear or cocircular; four-linkers taking a sphere through four given positions, or yielding four given crank-and-lever positions; four-linkers taking a sphere through five given positions; geometry of trajectories in general spherical motion; the locus of points of given trajectory curvature; the locus of third and fourth order points, of Ball's points, and of Burmester's points. A. W. Wundheiler (Chicago, Ill.).

Source: Mathematical Reviews,

Vol 12 No.

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... Nauk SSSR
... 2, 111-125
... mechanical represen-
... tations. About
... Mehanizmy
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... basic construction
... certain development
... tions between the
... (2) the theory
... four sliding pairs
... three cylindrical
... tions for four
... pairs; (5) the
... nical, and one
... (Chicago, Ill.).

DOBROVOL'SKIY, V. V.

"Introduction to the Dynamics of Statically Indeterminate Mechanisms.
(Works of the Seminar on the Theory of Machines and Mechanisms, Vol VIII,
No 30, Academy of Sciences, 1949.

DOBROVOL'SKIY, V. V.

9
DOBROVOL'SKIY, V. V. General theory of mechanisms for
describing plane curves. Akad. Nauk SSSR Izv.
Sov. Tech. Mech. Mechanisms 2 no. 10 1977 1981

Abstract: This article represents the results of the author's research.

1. In each a person's life there are many moments when he is faced with a problem of describing a plane curve. For example, when he is engaged in the design of a mechanism, he must know the law of motion of its links. This is a problem of describing a plane curve. The author has developed a general theory of mechanisms for describing plane curves. This theory is based on the principle of the least squares. It is a new approach to the problem of describing plane curves. The author has also developed a method for the synthesis of mechanisms for describing plane curves. This method is based on the principle of the least squares. It is a new approach to the problem of the synthesis of mechanisms for describing plane curves. The author has also developed a method for the analysis of mechanisms for describing plane curves. This method is based on the principle of the least squares. It is a new approach to the problem of the analysis of mechanisms for describing plane curves. The author has also developed a method for the synthesis of mechanisms for describing plane curves. This method is based on the principle of the least squares. It is a new approach to the problem of the synthesis of mechanisms for describing plane curves. The author has also developed a method for the analysis of mechanisms for describing plane curves. This method is based on the principle of the least squares. It is a new approach to the problem of the analysis of mechanisms for describing plane curves.

See also 161-112

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* Dobrovolskiy, V. V. Teoriya mekhanizmov. The theory of mechanisms. Gosudarstv. Nauchn. Izdat. Tekhn. Lit., Moscow, 1964.

cent results (especially the author's, e.g., formulas for transmission efficiency) are included, but no topic is treated on the design specialist's level. Space mechanisms are given little attention in spite of the author's work in this field. The basic idea of the classification is that, after the kinematic pairs are distinguished, the rigid members have a degree of freedom, the mechanism is of class $m-1$, and the Gruebler formula is replaced by $2n - \sum_{k=1}^{m-1} (m-k)p_k$, $k=1, \dots, m-1$, if n is the number of links and there are no passive constraints. Two-link mechanisms are assigned to class zero.

Z. W. Wundteller (Chicago, Ill.)

Source: Mechanisms Reviews.

Vol.

No.

10

DOBROVOLSKIY, V. V.

185T39

USSR/Engineering - Machine Science Feb 51

"Universal Conicograph," V. V. Dobrovolskiy,
Corr Mem, Acad Sci USSR, Inst Mach Studies,
Acad Sci USSR

"Iz Ak Nauk, Otdel Tekh Nauk" No 2,
pp 194, 195

Describes constr principles of mech for repro-
ducing any conic sec by its focus, directrix
and eccentricity. Mech is based on the
theorem: Tangent to conical sec at any point
and bisector of angle formed by (1) radius-
vector of this point, drawn from a focus, and
(2) line of foci intersect at vertex tangent.

185T39

DOBROVOL'SKIY, V. V.

"Mechanism for Plotting a Curve Which Accompanies a Given Curve," Trudy Sem. teor. mash., 11, No 43, 1951.

MIRA June 1952

DOBROVOL'SKIY, V. V.

"Interaction of Links in a Higher Pair," Trudy Se., teor. mash., 12, No.45, 1951

MLRA June 1952

DOBROVOL'SKIY, V.V.

Mathematical Reviews
Vol. 15 No. 4
Apr. 1954
Mechanics

DOBROVOL'SKIY, V.V. The construction of the relative positions of the links of spatial seven-bar linkages by the method of spherical representation. Akad. Nauk SSSR. Trudy Sem. Teorii Mashin i Mehanizmov 12, no. 47, 52-62 (1952). (Russian)

The general three-dimensional closed-chain linkage mechanisms having only one degree of freedom are examined. These are the seven-bar with only hinged joints, the six-bar with one hinge replaced by a cylindrical joint (this permits both rotation and sliding), the five-bar with two cylindrical joints, and the four-bar with three cylindrical joints. Configurations of a mechanism may be described by vectors which represent the constant length and variable direction of the common perpendiculars between the adjacent joints, and the vectors for the variable length and direction of the offsets (distance between the feet of the perpendiculars on a joint).

The method described is the use of a spherical representation for the mutual angles which, in turn, is represented by its stereographic projection on a plane. The angle between the axes of rotation at the ends of a bar is called the twist. The representation breaks down into one spherical polygon for the twists and another for the offsets. Several relations between them are derived.

M. Goldberg.

DOBROVOL'SKIY, V. V.

PHASE I

TREASURE ISLAND BIBLIOGRAPHICAL REPORT

AID 412 - I

BOOK

Call No.: QA464.D6

Author: DOBROVOL'SKIY, V. V.

Full Title: THEORY OF MECHANISMS FOR THE FORMATION OF TWO-DIMENSIONAL CURVES

Transliterated Title: Teoriya mekhanizmov dlya obrazovaniya ploskikh krivyykh

Publishing Data

Originating Agency: Academy of Sciences of the USSR. Institute of Machine Construction

Publishing House: Academy of Sciences of the USSR

Date: 1953

No. pp.: 146

No. of copies: 3,500

Editorial Staff

Editor: None

Editor-in-Chief: Artobolevskiy, I. I.,
Academician

Tech. Ed.: None

Appraiser: None

Text Data

Coverage: The author describes a large number of mechanisms to draw two-dimensional curves. Some of these mechanisms are in practical use, and some exist only as theoretical plans. The author attempts to show the connection between the theory of the mechanism and the geometrical construction of the curve. Mechanisms for the approximate formation of curves were not taken under consideration. Diagrams.

1/2

Teoriya mekhanizmov dlya obrazovaniya ploskikh krivyykh

AID 412 - I

To study this book a thorough knowledge of synthetic and analytic geometry is necessary.

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Ch. II Formation of Higher Degree Curves	
1. Graphical and synthetic method; 2. Analytic method; 3. Method of congruence; 4. Method of transformations.	61-140
Conclusions, Bibliography	
Purpose: Advancement of science.	141-146
Facilities: None	
No. of Russian and Slavic References: 15 before 1939, and 10 after that date.	
Available: Library of Congress.	

2/2

DOBROVOL'SKIY, V.V., inzh.

Determination of the air excess coefficient and filling of super-charged four-cycle diesel engines. Energomashinostroenie 9 no.10:
28-29 0 '63. (MIRA 16:10)

DOBROVOL'SKIY, Ya., prepodavatel'

Electric equipment laboratory in a technical school. Avt. transp. 37
no.9:47 S '59. (MIRA 12:12)

1. Leningradskiy avtomobil'no-dorozhnyy tekhnikum.
(Electric laboratories)

DOEROVOL'SKIY, Ya. I.

Geology and the prospects for finding gas and oil in the Maydan-Bitkov region. Neft. i gaz. prom. no.1:9-12 Ja-Mr '64.

(MIRA 18:2)

DOBROVOL'SKIY, Ya.I.; SKIBA, L.Ya.; ELBONOMER, A.V.; KOROTENKO, I.I.

Possible oil and gas occurrences in the Pitkov region based
on new concepts of the geological structure of the Glukhivskiy
fold. Trudy UkrNIGRI no.7:49-53 '63.

(MIRA 19:1)

DOBROVOL'SKIY, Ya.N.

Some aspects of the expansion of the Polish sugar industry.

Sakh.prom. 33 no.12:3-9 D '59.

(MIRA 13:4)

1. Pol'skoye eksportnoye ob'yedineniye "TsEKOP" [TsEKOP - Central office for exporting complete plant equipment].

(Russia--Foreign economic relation--Poland)

(Poland--Foreign economic relation--Russia)

(Poland--Sugar machinery)

PA 20/49T55

DOBROVOL'SKIY, E. F.

USSR/Engineering
Water Cooling Towers
Ice Protection

Sep 48

"Simple Method for Preventing Icing of Cooling
Towers," Ye. T. Butenko, E. F. Dobrovol'skiy,
Engineers, 1 p

"Elek Stants" No 9

Describes how hot circulating water was used to
prevent ice forming on cooling tower. Includes
sketch.

20/49T55

E 6387-66

ACC NR: AP5026743

SOURCE CODE: UR/0286/65/000/017/0018/0018

INVENTOR: Ganz, S. N.; Kuznetsov, I. Ye.; Vilesov, G. I.; Dobrovol'skiy, Ye. I.;
Glozman, L. P.; Kuz', N. P.

ORG: none

TITLE: A method for reducing the tendency to caking in ammonium nitrate. Class 16,
No. 174195

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 17, 1965, 18

TOPIC TAGS: fertilizer, ammonium compound, nitrate, manganese, zinc

ABSTRACT: This Author's Certificate introduces a method for reducing the tendency to
caking in ammonium nitrate by treating it with a powdered material. A more effec-
tive fertilizer is produced by using a charge containing manganese silt and waste from
white zinc shops.

UDC: 631.842.4

SUB CODE: GC/

SUBM DATE: 12Mar64/

ORIG REF: 000/

OTH REF: 000

DOBROVOL'SKIY, Yevg. (Dnepropetrovsk)

~~Guns with~~ in Kimbarovskii's Clinic. Izobr.i rats. no.5 (201):20-22
'63. (MIRA 16:7)
(Medical instruments and apparatus)

DOBROVOL'SKIY, Yevgeniy (Sverdlovsk)

Thirty years plus three. Izobr. i rats. no. 7:12-14 '63.
(MIRA 16:9)
(Sverdlovsk—Electric switchgear)

DOBROVOL'SKIY, Ye. Ye.

DOBROVOL'SKII, E. E.

Za bespereboinoe i vysokokachestvennoe deistvie sredstv radiosvazi. [For uninterrupted and high quality operation of radio communication facilities]. (Vestnik svazi. Elektrsviaz', 1948, no. 9, p. 3-4).

DLC: BK4.V45

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress, Reference Department. Washington, 1952, Unclassified.

LEVIN, M. A. and DOBROVOLSKIY, Ye. Ye.

"Receiving - Transmitting Radio Stations" (Priyemno - Peredayushchiye Radiostantsii), 1951

XXVIII - 6

DOBROVOL'SKIY, YE.

228167

PA 228167

USSR/Electricity - Literature

Apr 52

"Books on Electricity, Electrical Engineering, and Electric Power Engineering Published in 1951"

"Elektrichestvo" No 4, pp 95, 96

Lists includes some 62 books. Some titles are:

"Receiving-Transmitting Radio Stations /Trans-

ceivers/", by M. A. Levin and Ye. Dobrovolskiy,

"The Quartz Crystal in Communications Engineering,"

by A. F. Plonskiy, and "The Stronger Automatic Tele-

phone Exchange ATS-47," by Parionovetel. Also
translations of "Principles of Radar," "Theory of
SHF Transmission Lines," and "Generation of
Special Wave forms."

1. DOBHCVOL'IKIY, Ye.
2. USSR (600)
4. Radio
7. Radio communication in the fifth five-year plan. Sov. sviaz. No. 2, 1953.
9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

~~DOBROVOL'SKIY, Yevgeniy Yevgen'yevich; ROZOV, V.M., otv.red.; VENGRENYUK,~~
~~L.I., red.; KARABELOVA, S.I., tekhn.red.~~

[Radio communication equipment and its use in district and province
communication] Oborudovanie dlia vnutriblastnykh i vnutriraiionnykh
radiosviazei i ego ekspluatatsiia. Moskva, Gos.izd-vo lit-ry po
voprosam sviazi i radio, 1959. 69 p. (MIRA 12:12)
(Radio)

DOBROVOL'SKIY, Ye.Ye.

Radio and television are powerful weapons in the ideological work of the party. Vest. svyazi 23 no.8:3-4 Ag '63.

(MIRA 16:11)

1. Zamestitel' nachal'nika Glavnogo radioupravleniya Ministerstva svyazi SSSR.

DOBROVOL'SKIY, Yu.A.
BERDYKLYCHEV, Murad Gapayevich; ~~DOBROVOL'SKIY, Yu.A.~~, prof., red.; ZOTOV,
D.A., red.; VOLYANSKAYA, O.A., tekhn.red.

[Public health in the Turkmen S.S.R.] Zdravookhranenie Turkmenskoi
SSR. Pri uchastii i pod red. IU.A.Dobrovol'skogo. Ashkhabad,
Turkmenskoe gos. izd-vo, 1957. 247 p. (MIRA 11:3)

1. Chlen-korrespondent Akademii nauk TSSR (for Berdyklychev)
(TURKMENISTAN--PUBLIC HEALTH)

POLIKARPOV, S.N., dotsent; KHROMOV, B.M., prof.; DOBROVOL'SKIY, Yu.A.,
prof.

Specialization of physicians on local bases. Zdrav.Ros.Fed. 7
no.4:26-31 Ap '63. (MIRA 16:4)

1. Leningradskiy institut usovershenstvovaniya vrachey imeni
S.M.Kirova (rektor - dotsent S.N.Polikarpov).
(MEDICINE--SPECIALTIES AND SPECIALISTS)

DOBROVOLSKY

USSR / Analytical Chemistry.
Analysis of Inorganic Substances.

E-2

Abs Jour: Ref. Zhur - Khimiya No. 2, 1958, 4387

Author : Dobrovolsky, Kosaresenko P.M., Koroleva, V.J.

Title : Polarographic Determination of Zinc in Mineral Waters.

Orig Pub: Ukr. Khim. Zh., 1956, No. 5, 673-675

Abstract: One liter of the water to be analyzed is treated successively with 15 ml. of a saturated chloroform solution of dithizone, twice with a 10 ml. solution of dithizone in CCl_4 and with 15 ml. of a mixture (1:1) of CHCl_3 and CCl_4 . The resulting extracts are combined and treated twice in a separatory funnel with 10 ml. of 0.5N HCl. The hydrochloric acid extracts are combined, NH_4OH is added to pH 6.2 and the contents are evaporated

Card 1/2

USSR / Analytical Chemistry.
Analysis of Inorganic Substances.

E-2

Abs Jour: Ref. Zhur - Khimiya No. 2, 1958, 4387

almost to dryness. The residue is transferred to an electrolytic cell and the polarogram is run. The duration of the determination is 2-3 hours. The results for a Zn determination in water of some USSR mineral springs are cited.

Card 2/2

DOBROVOLSKY, J. - Kridla Vlasti No. 5, Mar. 1955

Women in high places also in aviation! p. 97
Under the tropic sun. (To be contd.) p.116

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 9, Sept. 1955, Uncl.

DOBROVOLSKY, J. - Kridla Vlasti No. 13, June 1955

Jet planes. p.296.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No.9, Sept. 1955, Uncl.

DOBROVOLSKY, J.

"Under the tropic sun."

KRIDLA VLASTI, Praha, Czechoslovakia, No. 21, October 1955.

Monthly List of East European Accessions (MEAL), LC, Vol. 8, No. 9, September 1959.

Unclassified.

ACCESSION NR: AP3003428

Z/0040/63/000/007/0194/0199

AUTHOR: Dobrovolsky, Jaroslav

TITLE: HC-102 helicopter

SOURCE: Letecky obzor, no. 7, 1963, 194-199

TOPIC TAGS: helicopter design, helicopter performance, flight characteristic., helicopter

TRANSLATION: Except for the new M110 engine (nearly 40% more powerful) and some minor changes in design and instrumentation, the small HC-102 two-place helicopter is a version of the HC-2 model designed by Slechta several years ago. Its purpose is primarily training. The HC-102 craft are now being built in series by the Moravan plant. The main fuselage beam is made of duraluminum sheet. The front end contains the front wheel, the battery and the cabin. The center portion consists of the shaft of the three-blade main rotor, the gear box, the engine, and the landing gear. The rear beam has a circular crossection and supports the gear box for the anti-torque tail rotor and the tail stabilizer. The main rotor

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ACCESSION NR: AP3003428

shaft is riveted to the center plane of the main beam. The front part of the cabin is made of transparent plastic material. Dual controls are provided for training purposes. The main rotor is hinged to the hub by metal tubular ferrules. The blade is of ashwood, the main longitudinal beam forming the leading edge; the ribs attached to the main beam are covered with plywood, forming the trailing edge. The blade plane is trapezoidal. The whole blade structure is covered with fabric. Compensating flaps are riveted to the trailing edge. The anti-torque tail-rotor blades are made of laminated beechwood with metal hinges riveted onto the blade root; the pitch is controlled by a rod; the tail-rotor shaft is driven by a pair of bevel gears from the engine at a 1:1 gear ratio. The tail stabilizer beam is made of a tube passing through the rear portion of the fuselage beam, and the stabilizer's angle of inclination is set at the plant. Collective and cyclic pitch controls are located in the pilot's seat. The control system is a combination of rigid levers and links. The pitch of the tail-rotor blades is controlled by a system of cables attached to a chain engaging a spur gear fixed to the rod at the hub. The twist handle controlling the throttle is on the collective pitch control lever. The M110H engine is connected at an angle to the rotor shaft. The power input is 115 HP; max. power is 100 HP at 3000 rpm. The gearbox is

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ACCESSION NR: AP3003428

essentially a Gleason system with planetary spur gears and a total ratio of 10.5 to 1. The rotor speed is 285 rpm at 3000 rpm of the engine. A single pin in the rotor hub-hinge assembly carries the aerodynamic forces from the rotor to the fuselage beam. A flexible damper made of corrugated steel sheet and attached to the gearbox carries the torque to the fuselage. The ship is equipped with a 650w, 28v generator and a 10Ah battery. Performance data are: max. speed at ground level-135 km/h; climbing speed from ground-4.5 m/sec; descend speed in autorotation at 2000 m altitude and 70 km/h speed-7.5 m/sec; service ceiling-3100 m; max. hovering altitude without ground effect-850 m; max. operative radius at 500 m altitude-180 km. Design data: rotor diameter-8.80 m; rotor blade profile-NACA 23015; tail rotor diameter-1.40 m; total length-10.47 m max.; height on the ground-2.55 m; empty weight-460 kg; gross weight-690 kg; engine-rotor gearbox ratio-1 to 0.0948; engine-to-tail rotor ratio-1 to 0.636; rotor-to-tail rotor ratio-1 to 6.789; tail rotor speed-1910 rpm; fuel consumption at cruising speed-225 g/hp per hour; oil consumption-5 to 8 g/hp per hour. The craft is used as a trainer in the Svazarm piloting school and is claimed to give excellent performance under all flying conditions. It can make a safe landing on slopes of up to 5°. Orig. art. has: 6 figures and one table.

Card 3/4

ACCESSION NR: AP3003428

ASSOCIATION: none

SUBMITTED: 00

SUB CODE: AC

DATE ACQ: 26Jul63

NO REF SOV: 000

ENCL: 00

OTHER: 000

Card

4/4

TRUKHAN, P.T.; TISHCHENKO, I.T.; STANKEVICH, L.A.; POPOVA, A.A.;
DOBROVSKAYA, A.R.; prinalni uchastiye: PETROVA, M.P.;
RYAZANSKAYA, A.A.; TRIGUBOV, S.P.; RABINOVICH, A.M.; GELER, S.S.

Use of γ -globulin for the prevention of infectious hepatitis in
children's collectives. Report No.2: Results of epidemiological
observation in children's collectives. Zhur. mikrobiol., epid. i
immun. 42 no.11:138 N '65. (MIRA 18:12)

1. Kiyevskiy institut usovershenstvovaniya vrachey, Kiyevskayz
gorodskaya sanitarno-epidemiologicheskaya stantsiya i sanitarno-
epidemiologicheskaya stantsiya Podol'skogo rayona Kiyeva (for Trukhan,
Tishchenko, Stankevich, Popova, Dobrovskaya). 2. Podol'skaya
rayonnaya sanitarno-epidemiologicheskaya stantsiya Kiyeva (for
Petrova, Ryazanskaya, Trigubov, Rabinovich, Geler).

DOBROVSKI, Ivan, inzh.

Automatic and remote control of the mechanisms of a briquette plant by applying the so-called block system. Tekhnika Bulg
ll no.5:185-187 '62.

1. TsRBA.

DOBROVSKI, Ivan, inzh.

Automatic regulation of the dampness of threads and fabrics.
Tekhnika Bulg 12 no. 9: 3-6 '63.

1. Mashinno-elektrotekhnicheski institut.

MUSIL, J.; PAVLOVSKA, J.; BEDNARIK, T.; LOSTICKY, C.; HLADIKOVA, D.;
DOBROVSKY, M.

Study of the metabolism of iodinated albumin in patients with
burns. Cas. lek. cesk. 103 no.43:1196-1199 23 0 '64.

1. Oddeleni pro klinickou blochemii lekarske fakulty hygienicke
Karlovy University v Praze, (vedouci MUDr. RNDr. J. Oppit);
Oddeleni popalenin, (vedouci MUDr. M. Dobrkovsky,); klinika
plastické chirurgie lekarske fakulty hygienické Karlovy
University v Praze (prednosta prof. dr. V. Karfik).

ACCESSION NR: AP4042259

S/0089/64/017/001/0045/0049

AUTHORS: Sty*rikovich, M. A.; Marty*nova, O. I.; Katkovskaya, K. Ya.; Dobrovskiy, I. Ya.; Smirnova, I. N.

TITLE: Transition of iodine from aqueous solutions into saturated steam

SOURCE: Atomnaya energiya, v. 17, no. 1, 1964, 45-49

TOPIC TAGS: reactor fuel rod, reactor coolant, reactor inspection, reactor safety, iodine, radioactivation analysis

ABSTRACT: In view of the importance of monitoring the tightness of the cladding of rod and plate type fuel elements in water-water and boiling-water reactors, the authors consider the quantitative distribution of elementary iodine (used as a detector of the tightness of the cladding) and its hydrolysis product between boiling water and dry vapor in equilibrium with it at pressures 1.9, 4, and 10

Card— 1/6

ACCESSION NR: AP4042259

kg/cm² at pH values from 5.5 to 11. The investigation was made by a bubbling method which is briefly described together with the apparatus employed. The results show that the fraction of the hydrolysis product at low concentrations ($<10^{-5}$ -- 10^{-5} mole/liter) is practically equal to unity. At increased temperatures and increased steam density, HIO is produced and the coefficient of distribution of this acid between the boiling water and the steam is a power function of the ratio of the steam to liquid density. It is concluded that in evaporating equipment where the iodine concentration can exceed 10^{-4} mole per liter, the pH at room temperature must be kept in the interval 9.5--10 in order to prevent the iodine from being carried away from the water into the steam. When I^{131} is used as a monitor for fuel cladding element in boiling water reactors at pressures of 30 kg/cm² and above, the samples must be so taken as not to dilute them with steam, since the iodine content in the water exceeds that in the steam. Orig. art. has: 5 figures.

Card

2/6

ACCESSION NR: AP4042259

ASSOCIATION: None

SUBMITTED: 22Jul63

SUB CODE: NP

NR REF SOV: 005

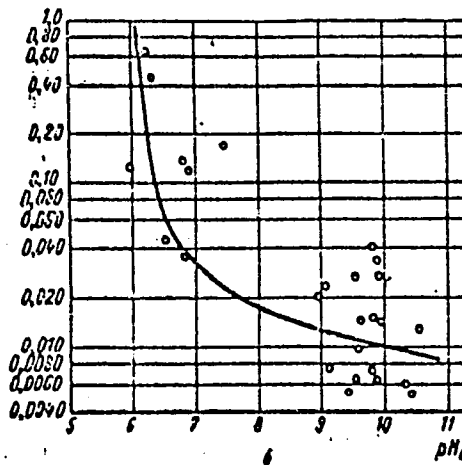
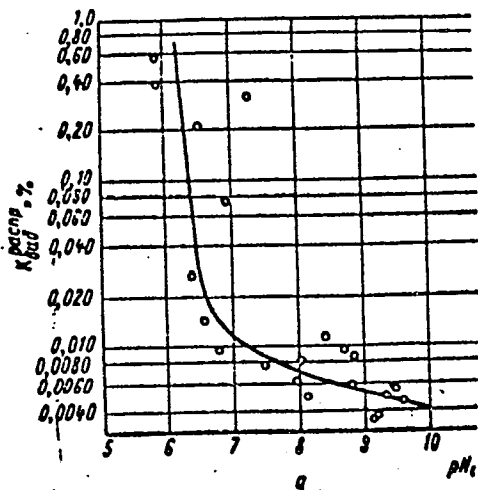
ENCL: 03

OTHER: 002

Card 3/6

ACCESSION NR: AP4042259

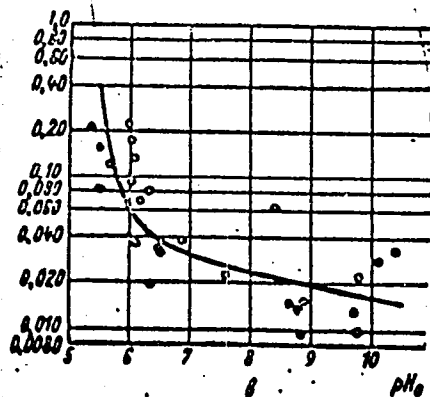
ENCLOSURE: 01



Card 4/6

ACCESSION NR: AP4042259

ENCLOSURE: 02

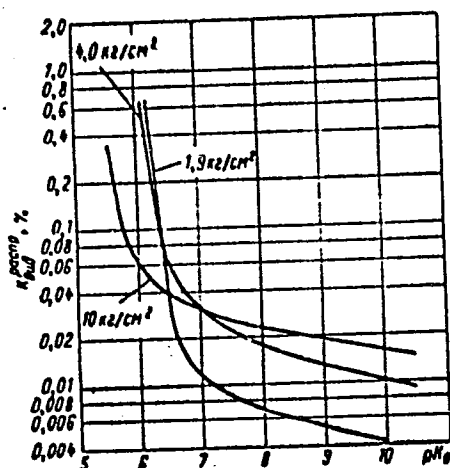


Dependence of iodine distribution coefficient on the pH at different pressures

Card 5/6

ACCESSION NR: AP4042259

ENCLOSURE: 03



Values of iodine distribution coefficient at low pressures

Card 6/6

PODBORSKIY, L.Ye.; GARBUZOV, Z.Ye.; ANAN'YEV, A.A., -kand. tekhn.
nauk, dots., retsenzent [deceased]; DOBROVSKIY, N.G.,
Doktor tekhn. nauk, red.

[Continuous excavators; bucket construction excavators.
Atlas of designs] Ekskavatory nepreryvnogo deistviia;
mnogokovshovye stroitel'nye ekskavatory. Atlas konstruk-
tsii. Moskva, Mashinostroenie, 1964. 148 p.
(MIRA 17:5)

DOBROVSKIY, V. M.

"Fully Additive Functions of Sets and Some of Their Applications." Sub 14
Nov 51, Moscow Order of Lenin State U imeni M. V. Lomonosov.

Dissertations presented for science and engineering degrees in Moscow
during 1951.

SO: Sum. No. 480, 9 May 55.

DOBROVSKY, I.

(3)

Use of Michurinian methods in the cultivation of beet shoots and seeds. S. Mynaki and I. Dobrovsky (Narymeries, 1952, 1, 206-228).—The applicability of the methods to seed production in shoots proved very satisfactory. Effects of size and condition of shoots, planting time, time of sowing the seed crop, clipping, supplementary pollination, spraying with H_2O_2 , and of covering shoots with mud before planting are discussed. A. STORREN.

DOBROVSKY, I.

M-4

HUNGARY/Cultivated Plants - Technical, Oil, and
Sugar Plants.

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10919

Author : Ranlaki, S., Dobrovsky, I.

Inst :

Title : The Results of Experiments Conducted in 1955 with the
Descendants of Beet Tubers Grown Without Bud Grafting III.

Orig Pub : Cukoripar, 1956, 9, No 1, 4.

Abstract : Experiments conducted in the subsidiary economy of the
Hatvan Sugar Factory have demonstrated that the quality
of the seed and the descendants of sugar beet (variety
Beta C. -242/53) from tubers grown without bud grafting
are often better than that of tubers grown with bud
grafting.

Card 1/1

26

DOBROWOLSKA B. J.
JAKIMOWICZ, Wladyslaw; BANACHOWSKA, F.; (Gdansk); ~~DOBROWOLSKA, B. J.~~;
GOLDSZTAJN, M., (Krakow); CZARSKI, Z., (Lublin); KUBERSKI, Z.;
SULAT, H.; SZULC, J., (Lodz); ZIETKIEWICZ, W.; SIEDEL-
KOLODZIEJOWA, A., (Poznan); MICHALOWICZ, R., (Szczecin);
DOWGIALLO, M.; PUGILOWSKA, K., (Warszawa); GAJ, J., (Wroclaw);
CHLOPICKI, Wl., (Zabrze).

Diagnostic statistics from neurological clinics during 1953.
Neur. &c. polska 6 no.4:479-486 July-Aug 56.

(NERVOUS SYSTEM, dis.
diag. statist. (Pol))

Poland/Diseases of Farm Animals. Noninfectious Diseases

R-2

Abs Jour : Ref Zhur - Biol., No 7, 1958, No 31116

Author : Domanski E., Dobrowolska D., Zalewska E.

Inst

: -ON LAST PAGE...

Title

: I. Anemia and Degenerative Changes in the Organism of Chicks under Conditions of Disturbed Relationship Between Folic Acid and Other Water-Soluble Vitamins (Interdependence Between Folic and Ascorbic Acids). II. Paresis and Paralysis of Peripheral Nerves in Chicks under Conditions of Disturbed Relationship Between Riboflavin and Other Vitamins of the B Group in the Diet.

Orig Pub : Acta physiol., polon., 1957, 8, No 1, 139-152

Abstract : A spontaneous disease of chicks, which was not caused by a viral infection and which was manifested by a disturbance of hemopoiesis and fatty degeneration of the liver, or by paresis and paralysis of feet, was observed. The pathological course of the disease was experimentally reproduced, and the role of vitamins added as a supplement to the basic ration

Card : 1/3

POLAND/Diseases of Farm Animals. Noninfectious Diseases

R-2

Abs Jour : Ref Zhur - Biol., No 7, 1958, No 31116

composed of natural feeds was explained. The disturbance of hemopoiesis and the process of fatty degeneration of the liver were more marked in the absence of both folic and ascorbic acids from the vitamin complex than when only one of them was wanting. The disturbance of the process of the production of blood was characterized by the appearance in the liver of cellular infiltrates consisting of hemocytoblasts in different stages of development. Such infiltrates were also discovered in other organs (kidneys, heart). Paralysis and paresis of the feet developed in cases where riboflavin was lacking from the vitamins supplied. Among chickens which were receiving basic rations without their supplementation by some water-soluble vitamins, only sporadic cases of disease with no marked symptoms, were observed. From the data obtained, it may be concluded that the addition of an incomplete complex of biologically active substances to the basic diet leads to the disturbance of the chemical equilibrium of the metabolic processes. The results of the experiments indicate

Card : 2/3

POLAND/Diseases of Farm Animals. Noninfectious Diseases

R-2

Abs Jour : Ref Zhur - Biol., No 7, 1958, No 31116

the existence of an interdependence between the action of folic and ascorbic acids and the presence of the lipotropic function of folic acid. -- A.F. Kukhto

Inst. — Z Zakładu Higieny Zwierząt Instytutu Weterynarii
w Bydgoszczy.

DOMANSKI, E.; DEBROWOLSKA, D.; ZALEWSKA, E. (Bydgoszcz)

The effect of antibiotics upon the ascorbic and folic acid metabolism
in chickens. Roczn. nauk roln. wet 70 no.1/4:127 '60. (EEAI 10:9)

(Poultry) (Antibiotics) (Ascorbic acid)
 (Folic acid)